

Claim(s)

1. (Canceled)

2. (Canceled)

3. (Amended) A microchannel plate (MCP) assembly of the type including a microchannel plate suitable for electron amplification comprises:[[_Ref67989250]]

a microchannel plate (MCP) having a bonding surface, and a multi-layer ceramic body (MLC) unit having a bonding surface compatible with the bonding surface of the MCP; and

the bonding surface of the MCP being diffusion bonded to the compatible diffusion bonding surface of the MLC unit.

4. (Original) The invention of claim 3 wherein the compatible surface of the MCP has a thin metallic film deposited thereon prior to bonding of the MCP and the MLC unit.

5. (Original) The invention of claim 3 wherein the compatible surface of the MLC unit has a metallic protuberance deposited thereon prior to bonding of the MCP and the MLC unit.

6. (Original) The invention of claim 5 wherein the metallic protuberance includes a metal selected from the group consisting of gold, silver, copper, nickel platinum and paladium.

7. (Original) The invention of claim 3 wherein the microchannel plate body assembly is adapted for use in an image intensifier tube.